

BIOSOLIDS MANAGEMENT REVIEW OF EMS PERFORMANCE

Owner: City of Fort Worth
Project: Long-Term Solids Dewatering, Processing and Disposal
Project #: PS46-070460300020
Contractor: REI Environmental, Inc.
Date: 01/29/08 **Time:** 1:30 p.m.

Present:	<u>Name</u>	<u>Representing</u>	<u>Name</u>	<u>Representing</u>
	Gary Rockers	City of Fort Worth	Jennifer Bradfield	REI
	Gary Burton	City of Fort Worth	Stephanie Plano	REI
	Buster Fichera	City of Fort Worth	Jeana Booker	Halff Associates Inc.
	Jerry Pressley	City of Fort Worth		

The third annual Biosolids Management Review of EMS Performance was conducted at Village Creek Wastewater Treatment Plant (VCWWTP). The review was conducted in accordance with EMS Element 17.0. The purpose of the meeting was to review the biosolids management program and the EMS performance in order to drive continual improvement.

Past Performance:

A summary of the past year's accomplishments and performance was given and is covered in the FY 2006-07 Biosolids Management Program and EMS Performance Report, which was distributed. The EMS Performance Report summarizes the biosolids program performance, biosolids production and reuse, goals and objectives, contractor performance, city oversight/inspections, monitoring and measurement results, legal requirements, emergency responses, public outreach, future plans in biosolids technology, and commitment toward continual improvement. Each topic in the report was briefly discussed in the meeting.

In June 2007, TCEQ clarified their interpretation of Alternative 6 for Vector Attraction Reduction. The TCEQ interpretation requires the Fort Worth Biosolids Program to assure all biosolids are held for 24 hours before land application. Currently, the Contractor, Renda Environmental is holding all material on site for 24 hours. The City and REI have and are currently in negotiations regarding proposed construction and operational costs for dewatering facility and operational modifications to met the TCEQ interpretation of holding all biosolids 24 hours before land application.

Goals and Objectives: *(Additions, Deletions and Revisions to Goals & Objectives Table – Appendix 5a)*

- 1. 100% Beneficial Reuse of Class A Biosolids:** Remove - Evaluation of a two stage thermal dryer and belt drying application. The City evaluated the cost and compatibility and determined the project was too cost prohibitive at this time. Add – Explore alternate Beneficial Reuse methods for disposal other than land application.
- 2. Comply with all Federal, State and Local Regulatory Requirements:** Remove - Evaluation of the sludge pasteurization processes at the TRA facility. The City was unable to get sufficient data due to an intermittent operation by TRA and is tabling this option.
- 3. Increase Public Awareness and Participation:** Add - The City and REI will look at setting up a booth at the State Fair of Texas (Dallas) to provide information about the biosolids program. This booth may include hay bales produced at applications sites and information showing the “before and after” nutrient data at some application sites. Add - Conduct a Biosolids Research Project to determine effects of dewatered biosolid loadings on crop yield (40 Acre Field)..

4. **Improve Biosolids Quality:** Remove - Accepting gas well frac water pilot program. The changes necessary at the plant were too cost prohibitive to accept the magnitude of the frac water. Remove - The VCWWTP Odor Control and Corrosive Study (Phase II). The study was removed from the goals due to the lack of relevance to the biosolids program. Add – Facility Assessment (add Belt filter Press and piping modifications). It was determined that one belt filter press, including improvements to the piping and header system would need to be added to the dewatering facility now and another belt filter press in the future.

Gary Rockers (Biosolids EMS Manager) and Halff Associates Inc. will make the proposed changes to Goals and Objectives Summary Table (EMS Element 5.0, Appendix 5a). The table will then be distributed for additional comments before being incorporated into the EMS Manual.

EMS Audit Results:

The Biosolids EMS (YR2) Interim Audit was held on July 10-12, 2007. The Fort Worth Biosolids Program had the option to use the internal audit as the interim audit this year, and the NBP approved this option. A total number of fourteen (14) Corrective Action Notices (CANs) were recorded this year during the audit. As of this management review meeting, all CANs have been addressed with ten (10) being completed and four (4) nearing final completion. All CAN's will be completed before the application for the next year's audit is submitted to the NBP.

TPDES Plant Permit:

The TPDES Permit No. WQ0010494013 (TX0047295) for the Village Creek Waste Water Treatment Plant was renewed since the last EMS Management Review meeting. The permit was issued on November 28, 2006, and will expire on September 1, 2011.

Emergency Actions and Responses:

After 2.5 years and travelling approximately 2,500,000 miles without a biosolids spill, a small amount of biosolids was spilled in June 2007 during transport when two REI trucks were passing on a narrow country road. Only about 1-2 cubic yards were spilled, and the Contractor and the City took emergency spill actions. The small spillage was cleaned up in 1-2 hours, no public vehicles were involved, and no waterways of the state of Texas were impacted.

Village Creek WWTP updated and modified the plant emergency response plans on (06/19/07). Village Creek's emergency response plans are part of the Contractors (REI) emergency response plans. REI updated and modified their emergency action plans for their operations and activities on (07/16/07).

Corrective Action Notices:

All but one (1) CAN are associated with the Biosolids EMS (YR2) Interim audit as previously discussed. The remaining CAN dealt with the Fecal Detect early in the year and has been addressed and closed.

Public Participation:

The annual Biosolids Public Forum was held on November 13, 2007 to present information and statistics on the Fort Worth Beneficial Reuse of Biosolids Program, and to obtain public opinion and comments in accordance with the goals and objectives. The meeting time was held during the daytime which produced better public participation than in the evenings. However, other outreach methods are being considered. A booth at the State Fair is one option under investigation.

Please review these minutes. Should you find a discrepancy or omission, please notify the Resident Engineer in writing within ten days of memorandum date. Following that date the minutes will stand as shown or corrected.